



**Process Permit Application
Bureau of Air Quality
Part IIB**

Bureau Use

Permit No.:
ID No.:
Date:
Reviewed By:

PLEASE REFER TO INSTRUCTIONS ON BACK BEFORE COMPLETING THIS FORM

1. Company Name: _____
Process Description: _____
Process SIC Code: _____
Process Unit Designation: _____

2. Major Raw Materials: _____ Quantity Used: _____
Products: _____ Rated Production: _____

3. Fuel Data (indicate all units):

| Fuel Type and Grade | BTU Content | % Sulfur by weight | % Ash by weight | Consumption @ rated capacity |
|------------------------|----------------|-----------------------|--------------------|---------------------------------|
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |

4. Air Pollution Control Device Description: _____

5. Stack Data:

| | |
|-------------------------------|-----------------------------------|
| Height Above Ground _____ ft. | Gas Velocity _____ ft./sec. |
| Inside Diameter _____ ft. | Temperature _____ °F |
| Est. Moisture _____ % | Location (UTM or Lat./Long) _____ |

6. Emission Rate at rated capacity (lb./hr.):

| Pollutant | Before Control Device | After Control Device | Method of Estimating Emissions |
|--------------------|-----------------------------|----------------------------|-----------------------------------|
| Particulate Matter | _____ | _____ | _____ |
| SO ₂ | _____ | _____ | _____ |
| CO | _____ | _____ | _____ |
| NO _x | _____ | _____ | _____ |
| VOC's | _____ | _____ | _____ |
| Other (specify): | _____ | _____ | _____ |

7. Are any of the collected materials subject to the provisions of the S.C. Hazardous Waste Management Act or Regulations? (specify): _____

8. Normal Operating Schedule: _____ hours/day _____ days/week _____ weeks/year
Seasonal Variation: Dec. - Feb. _____ % Mar. - May _____ % June - Aug. _____ % Sept. - Nov. _____ %

9. How will waste material from process and control equipment be disposed of?

PART IIB PERMIT APPLICATION INSTRUCTIONS FOR COMPLETING

PURPOSE:

To obtain the information needed to process applications for air permits and to maintain these permits. The information requested is used to determine whether a source must meet State and/or Federal Regulations and if the source is capable of achieving the applicable standards.

EXPLANATION AND DEFINITION:

Any person who plans to construct, alter, or operate a source that emits air contaminants, including the installation of any device for the control of air contaminants shall first obtain a permit from the Department. Use Part IIB for a Process Operation defined as "any source engaged in the manufacture, processing, handling, treating, storing or any other action upon materials except fuel burning operations, incinerators, or asphalt plants". "Process Weight" means the total weight of all materials introduced into a source operation, including air and water where these materials become an integral part of the project and solids used as fuels but excluding liquids and gases used solely as fuels.

Item By Item Instructions:

- Item 1. Company name for permit.
 Process Description.
 Process SIC Code (four digit number) for primary plant activity (company's major product) from Standard Industrial Classification Manual.
 Process Unit Designation indicating plant's designation (e.g., no. 2 dryer, etc.).
- Item 2. Indicate quantity processed not including recycle materials.
- Item 3. Fuel data indicating type and grade of fuel (e.g., no. 4 fuel oil, bituminous coal, etc.). For multiple fuels indicate whether primary (P), secondary (S), or in combination (C). For "Consumption" indicate in lbs, gallons, or ft³ per hour.
- Item 4. Description of control device equipment.
- Item 5. Stack Data specifications.
- Item 6. Emission rate data at rated capacity (lb/hr). For Method of Estimating Emissions indicate whether stack test, AP-42, material balance, engineering calculations, etc.
- Item 7. Indicate if materials are regulated under the South Carolina Hazardous Waste Management Act or if any materials are suspected to be harmful to human health/welfare or plant/animal life.
- Item 8. Indicate operating schedule including normal operation and seasonal variation.
- Item 9. Indicate procedures that will be taken to dispose of waste material.

OFFICE MECHANICS AND FILING:

In accordance with retention schedule HEC-AQC-3 break file at the end of each fiscal year, retain within the Agency for five additional years and then destroy.